

INSERT FOR USE AS A CONNECTION ELEMENT FOR JOINTS DESIGNED TO BE SECURE AGAINST ROTATION AND INSERT EJECTION.

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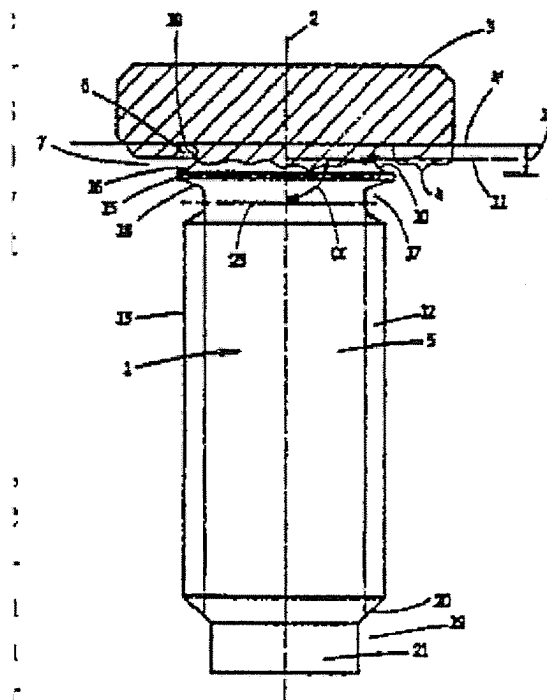
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Proposed are single-piece inserts (1, 38), in the form of bolts, screws or nuts, for joints between pieces of sheet material, the joints being designed to be secure against rotation and insert ejection. The inserts (1, 38) have a large-diameter head (3, 39) and a smaller-diameter shaft (5, 36) concentric with the longitudinal axis (2) of the insert. Located in the transition region between the head and the shaft is a neck facing radially out away from the central axis of the insert and designed as an annular space (6, 37) to hold the sheet material. The annular space (6, 37) extends longitudinally up from a part of the shaft not surrounded by the head (3, 39) to the underside (4) of the head. Distributed round the edge of the underside (4) of the head, away from the periphery of the shaft, are rounded projections (8) designed to secure the joint against rotation with respect to the sheet material.



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